

Test Task for Developer

Task Description

Create a web app for managing inventory, using **.net core** and **MS-SQL**.

Requirements

1. Create new database tables Using **Code First In Entity Framework**. (The must)
2. Blazor WebAssembly app with an interface to show data from DB. (Blazor WebAssembly is optional, but at least **MVC** with **REST API** is the must)
3. Make an ability to change and save data in the application: Stores, Racks, Elements.
4. Add the ability to create and delete Stores, Racks, Elements.
5. Optional but highly recommended: Interface validations. DTO. Separated BLL and DAL projects. Identity Server.

A view like below is needed (*Please **don't use html table** here you can **use DIV, OL/UL, LI** etc, and **"TotalElements"** should not be database field):

```
<Stores>
  <Store Name="LMS Store 1" Country="UK">
    <Racks>
      <Rack Name="A51" QuantityOfRacks="4" TotalElements="3">
        <Elements>
          <Element Element="Door" Width="1200" Height="1850" />
          <Element Element="Window" Width="600" Height="900" />
          <Element Element="Glass" Width="700" Height="1850" />
        </Elements>
      </Rack>
      <Rack Name="A52" QuantityOfRacks="2" TotalElements="1">
        <Elements>
          <Element Element="Door" Width="1500" Height="2000" />
        </Elements>
      </Rack>
    </Racks>
  </Store>
  <Store Name="LMS Store 2" Country="SA">
    <Racks>
      <Rack Name="A53" QuantityOfRacks="3" TotalElements="2">
        <Elements>
          <Element Element="Door" Width="1400" Height="2200" />
          <Element Element="Glass" Width="600" Height="2200" />
        </Elements>
      </Rack>
      <Rack Name="A54" QuantityOfRacks="10" TotalElements="2">
        <Elements>
```

```
                <Element Element="Window" Width="500" Height="700" />
                <Element Element="Glass" Width="800" Height="1000" />
            </Elements>
        </Rack>
    </Racks>
</Store>
</Stores>
```

Please provide source code with all necessary information to run and test the application.